

CLAIMS:

What is claimed is:

- 1 1. A device comprising:  
 2 a first substrate coupled to a second substrate;  
 3 the first substrate comprising a plurality of display blocks which are  
 4 deposited onto said first substrate and an integrated circuit coupled to the  
 5 display blocks;  
 6 the integrated circuit, configured to receive a signal from an external  
 7 source; and  
 8 a single I/O coupled to at least one display block and a chip.
- 1 2. The device of claim 1, wherein the second substrate comprises one of a  
 2 flexible layer and a rigid layer.
- 1 3. The device of claim 1, wherein the integrated circuit comprises at least  
 2 one driver block deposited onto the first substrate, wherein the driver block is  
 3 coupled to at least one display block.
- 1 4. The device of claim 1, wherein each of said shaped display blocks  
 2 comprises an active circuit element which drives a picture element.
- 1 5. The device of claim 1, wherein the first substrate comprises an active  
 2 matrix backplane, the device further comprises:  
 3 a display generation substrate coupled to an active matrix backplane.
- 1 6. The device of claim 5, wherein the device has liquid crystal.
- 1 7. The device of claim 5, wherein the device has at least one OLED.
- 1 8. The device of claim 1, wherein said first substrate has an active matrix  
 2 backplane which comprises at least one electrode for each picture element.
- 1 9. The device of claim 5, wherein said active matrix display is conformal.
- 1 10. The device of claim 1, wherein at least one of the first substrate and the  
 2 second substrate is flexible.

- 1 11. An apparatus comprising:  
2 at least one pixel block onto a substrate, said at least one pixel block  
3 connected to a pixel element;  
4 depositing at least one interface block onto said substrate;  
5 coupling electrically said at least one pixel block and interface block to  
6 form an active matrix backplane;  
7 wherein said display blocks have an integrated circuit thereon;  
8 transferring data to at least one integrated circuit.
- 1 12. The method of claim 11, wherein each of said display blocks comprises  
2 an active circuit element which drives a picture element.
- 1 13. The method of claim 11, further comprising:  
2 coupling a display generation substrate coupled to said active matrix  
3 backplane.
- 1 14. The method of claim 11, wherein said active matrix display backplane  
2 comprises at least one electrode for each picture element.
- 1 15. The method of claim 11, wherein the flexible active matrix display panel  
2 comprises a single crystal silicon transmissive display.
- 1 16. The method of claim 11, wherein the flexible active matrix display panel  
2 comprises a single crystal silicon reflective display.
- 1 17. The method of claim 11, wherein the flexible active matrix display panel  
2 comprises an organic light emitting diode.
- 1 18. The method of claim 11, wherein the flexible active matrix display panel  
2 comprises upconverting phosphor.
- 1 19. A device comprising:  
2 a first substrate;  
3 a second substrate coupled to the first substrate;  
4 the first substrate comprising a plurality of blocks which are deposited  
5 onto said substrate and an integrated circuit, configured to receive a signal  
6 from an external source; and

7 less than or equal to four I/Os coupled to at least one display block and  
8 a chip.

1 20. A device comprising:

2 a first substrate;

3 a second substrate coupled to the first substrate;

4 the first substrate comprising a plurality of blocks which are deposited  
5 onto said substrate and an integrated circuit, configured to receive a signal

6 from an external source; and

7 less than or equal to three I/Os coupled to at least one display block and  
8 a chip.

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